

## Report of Analysis

Submission: 2004-004898-NYHB  
 Customer: Petro-Canada  
 Terminal: OSWEGO SPRAGUE NY  
 Vessel: MT THALASSA DESGAGNES  
 Reference:  
 Purchase Order:  
 Date Received: 23-Nov-04  
 Date Analyzed: 23-Nov-04  
 Date Reported: 23-Nov-04

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

| Lab Reference : 2004-004898-NYHB-006   |                                   |         |           |
|--|-----------------------------------|---------|-----------|
| Sample Designated As : Shore Tank 5 After Discharge Equal UML Composite NO. 6 FUEL OIL |                                   |         |           |
| Method   | Test                              | Results | Units     |
| D93 method B   | Corrected Flash Point             | >200    | deg F     |
| D445 at 122 deg F  | Kinematic Viscosity @ 122°F       | 348.6   | cSt       |
| D2161  | Saybolt Furol Viscosity @ 122 °F  | 164.6   | SFS       |
| D97  | Pour Point                        | 9       | deg C     |
| D97  | Pour Point                        | 48      | deg F     |
| D4294  | Sulfur                            | 1.33    | Wt %      |
| D1796  | Sediment and Water                | 0.1     | Vol %     |
| D240   | Gross Heat of Combustion          | 18598   | BTU / lb  |
| D240   | Gross Heat of Combustion          | 151778  | BTU / gal |
| D3279  | Asphaltene / n-Heptane Insolubles | 1.69    | Wt %      |
| D4530  | Micro Carbon Residue              | 10.0    | Wt %      |
| D473   | Sediment by Extraction            | 0.04    | Wt %      |
| D482 @ 775 deg C   | Ash @ 775 deg C                   | 0.041   | Wt %      |
| D4870  | Total Sediment                    | 0.03    | Wt %      |
| D5762  | Nitrogen                          | 0.31    | Wt %      |
| D95  | Water                             | 0.1     | Vol %     |
| D5708 Method A   | Sodium                            | 24.6    | mg / kg   |
| D5708 Method A   | Vanadium                          | 48.0    | mg / kg   |

Intertek Caleb Brett  
 Darius Pazdur, Laboratory Mar